



Fensin receives Young Leaders Award

March 3, 2016

Saryu Fensin of LANL's Materials Science in Radiation and Dynamics Extremes group has been selected to receive the 2015 TMS Young Leaders International Scholar-Japanese Institute of Metals (JIM) Award. She will represent the Minerals, Metals & Materials Society (TMS) at the JIM Spring Annual Meeting at the Tokyo University of Science in Japan and present her research. The award is part of the TMS Young Leaders International Scholar Program, a JIM and TMS exchange program providing young professionals the opportunity to present research at international meetings and network with researchers at laboratories and industrial facilities abroad.

Fensin's achievements

Fensin earned a doctorate in materials science and engineering from the University of California, Davis and joined the Laboratory as a postdoctoral researcher in 2010. She is a scientist in the Dynamic and Quasi-static Loading team, where she uses experiments and simulations to examine the relationship between material microstructure and properties in thermodynamic and mechanical extremes. Her tools include molecular dynamics, Monte Carlo methods, gas gun experiments, metallography and various microscopy techniques. She studies the behavior of material microstructure and the role of second phase particles — single and bi-metal interfaces — on damage nucleation and evolution under dynamic loading conditions, as well as aging affects in plutonium.

Fensin holds leadership roles on the TMS Young Professionals, Professional Development, Diversity, and Mechanical Behavior of Materials committees. She previously won a TMS Young Leaders Professional Development Award in the Electronic, Magnetic & Photonic Materials Division.

About TMS and JIM

The Minerals, Metals & Materials Society (TMS) is a professional organization that encompasses the entire range of materials and engineering, from minerals processing and primary metals production to basic research and the advanced applications of materials. The society was established following the founding of the American Institute of Mining Engineers (AIME) in 1871. TMS members number nearly 13,000, live in 94 countries on six continents and include engineers, scientists, researchers, educators, administrators and students.

The Japan Institute of Metals (JIM) was founded in 1937 with a primary objective to promote and develop the science and technology of metals and materials. The organization has a total of 7,100 members.

Both the TMS and JIM are active members of the International Organization of Materials, Metals & Minerals Societies.

Los Alamos National Laboratory

www.lanl.gov

(505) 667-7000

Los Alamos, NM

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